INTERNATIONAL SEARCH REPORT

International application No. PCT/FI 2004/000207

A. CLASSIFICATION OF SUBJECT MATTER								
IPC7: E21F 13/02 According to International Patent Classification (IPC) or to both national classification and IPC								
B. FIELDS SEARCHED								
Minimum documentation searched (classification system follower	d by classification symbols)							
IPC7: E21F, E02F, G05D								
Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched SE,DK,FI,NO classes as above								
Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)								
EPO-INTERNAL, WPI DATA								
C. DOCUMENTS CONSIDERED TO BE RELEVANT								
Category* Citation of document, with indication, where	appropriate, of the relevant passages	Relevant to claim No.						
A US 6470989 B1 (J. PUPUTTI ET A (29.10.2002), whole docume	US 6470989 B1 (J. PUPUTTI ET AL), 29 October 2002 (29.10.2002), whole document							
A WO 0188827 A1 (MODULAR MINING 22 November 2001 (22.11.20	WO 0188827 A1 (MODULAR MINING SYSTEMS, INC.), 22 November 2001 (22.11.2001), whole document							
	GB 2124798 A (KUBOTA LTD), 22 February 1984 (22.02.1984), whole document							
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Further documents are listed in the continuation of E	Box C. X See patent family annex	к.						
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"A" document defining the general state of the art which is not consider to be of particular relevance	A document defining the general state of the art which is not considered to be of particular relevance The document defining the general state of the art which is not considered to be of particular relevance The document defining the general state of the art which is not considered the principle or theory underlying the invention							
filing date "L" document which may throw doubts on priority claim(s) or which is	claimed invention cannot be cred to involve an inventive e							
cited to establish the publication date of another citation or other special reason (as specified) "O" document referring to an oral disclosure, use, exhibition or other	"Y" document of particular relevance: the considered to involve an inventive ster combined with one or more other such	p when the document is						
means combined with one or more other such documents, such combinate being obvious to a person skilled in the art the priority date claimed "&" document member of the same patent family								
Date of the actual completion of the international search	Date of mailing of the international s	earch report						
6 August 2004 0 9 -08- 2004								
Name and mailing address of the ISA/	Authorized officer							
Swedish Patent Office								
Box 5055, S-102 42 STOCKHOLM Lars Björk / MRo Facsimile No. +46 8 666 02 86 Telephone No. +46 8 782 25 00								
racsimile No. + 40 8 000 UZ 86	Telephone No. +46 8 782 25 00							

INTERNATIONAL SEARCH REPORT

Information on patent family members

03/07/2004

International application No. PCT/FI 2004/000207

US 6470989	B1	29/10/2002	AU -		20/05/200	
•	•			AU CA	1319101 A 2387366 A	08/05/200
			FI	2387366 A 108566 B	03/05/200	
		•	FI	992347 A	00/00/000 30/04/200	
			FR	2816001 A,E		
				SE	521408 C	28/10/200
•		SE	0201291 A	26/04/200		
		WO	0131168 A	03/05/200		
		ZA	200202862 A	11/07/200		
						11/0//200
WO 0188827 A1	A1	22/11/2001	AU	6297501 A	26/11/200	
		US	2002143461 A	03/10/200		
GB 2124798 A	A	22/02/1984	AU	547146 B	10/10/198	
			•	AU	1634583 A	19/01/198
		FR	2530114 A,B			
		GB	8318972 D	00/00/000		
		JP	59011409 A	21/01/198		
		JP	59024870 U	16/02/198		
		US	4600999 A	15/07/198		
		JP	1047967 B	17/10/198		
		JP	1564944 C	25/06/199		
			JP	59014711 A	25/01/198	
			JP	59025277 U	16/02/198	
				US	4628454 A	09/12/198
			JР	1436906 C	25/04/198	
				JP	59011410 A	21/01/198
			JP	59026302 U	18/02/198	
			JP	62032806 B	16/07/198	